- The intent of this specification is to give the tradesperson enough information to perform a complete job. In each Section the Contractor and/or Subcontractor are responsible for providing all labor, materials, and equipment to perform the full work in a complete and craftsman like manner.
 This contract is for a complete project. The Contractor and/or Subcontractors shall provide all materials, labor, tools, permits, equipment, staging, temporary and permanent utilities and insurance necessary to complete the construction as shown and as implied by these Contract Documents. All materials shall be r.
 rs shall provide all materials,
 s and insurance necessary to
 ments. All materials shall be

- new.
 3. Contract Documents include the agreement, drawings, specifications and all addenda incorporated prior to execution of the agreement.

 4. These documents have been prepared in accordance with the Maine Uniform Building and Energy Code (MUBEC). All work shall be in accordance with governing codes and standards. Clean, safe, working conditions shall be maintained at all times. Safety precautions shall include such measures to insure public
- safety.

 The work shall proceed as quickly as possible. Each trade shall layout and coordinate their work to expedite the construction process. All materials shall be good quality. Defective work shall be removed and

- replaced.

 6. Site Visits: The Contractor and Subcontractors must visit the site and become familiar with all existing on site conditions prior to submitting any bid proposals.

 7. All dimensions shall be field verified by the Contractor and/or Subcontractor.

 8. Should discrepancies be found between the drawings, specifications and code, the following shall be the order of clarification priority: The code shall overrule the specifications, and the specifications shall overrule the drawings, or whichever is most restrictive.

 9. At the end of each work day, clean the work area of rubbish and construction debris of any nature. Store materials so that they do not create natural pockets for papers or other combustible materials. Contractor is responsible for disposal of all materials off site oer local regulations.

 10. A minimum of two (2) fire extinguishers shall be placed throughout the work area. In general, the use of open flame devices is prohibited. In the event that operations are undertaken to which use of an open flame device is essential, the Contractor/Subcontractor shall consult with the Owner, describing the circumstances necessitating the device. The Owner may require additional precautions as he/she deems necessary.

 11. Construction shouldn't begin prior to 7:00 am or extend beyond 5:00 pm, Monday thru Friday, unless the Owner and authority having jurisdiction has approved extended working hours.

 12. Abatement of all hazardous materials is by others.

 13. B. Schedule:

 14. Provide a number of calendar days to complete the project. A flow chart for construction will be provided to the Owner and Architect upon award of the contract. Flow chart will be updated periodically as required by request of the Owner and Architect.
- $\dot{\mathbb{C}}$ Testing.
 The Contractor and/or Subcontractor shall test all concrete, steel reinforcements, bolted and welded connections, equipment, doors, windows, hardware, etc. to assure proper installation and operation and shall verify the same to the Owner in writing prior to turn over to the Owner. Contractor to provide the Architect and Engineer with copy of all tests.
 Guarantees, Warranties, O&M Manual.
 The Subcontractors shall provide the Owner with all guarantees, warranties, operation and maintenance instructions and other literature provided with all equipment used in the project.
- nditions and workmanship om good constr
- Vuality Assurance:
 Monitor quality control over suppliers, manufacturers, products, services, site conditor produce work of specified quality.
 Comply in full with manufacturers instructions including each step in sequence.
 Should manufacturers instructions conflict with Contract Documents or deviate from practice, request clarification from Owner and Architect before proceeding.
 Comply with specified standards as minimum quality for the work, except when more codes or specified requirements indicate higher standards or more precise workmanship. more stringent tolerances
- codes or specified requirements indicate higher standards or more recise workmanship.

 Perform work by persons qualified to produce workmanship of specified quality eccure products in a place with positive anchorage devices designed and sized ribration without physical distortion or disfigurement. d to withstand stresses and
- Ņ
- ώ The Subcontractors shall provide samples to the Owner and Architect/Engineer as required by the drawings and specifications.

 The Contractor and Subcontractor shall provide shop submittals to the Architect/Engineer as required by the drawings and specifications.

 Trade names of specific manufacturers specified herein are used as a basis for the design and/or quality desired. Substitutions of products by other manufacturers may be made when approved by the Owner and Architect/Engineer.

 Approved by the Owner and Architectricity.

 Permanent convenience receptacles may be utilized during construction as approved by the Owner. Power ermanent convenience receptacles may be utilized during construction as apposition shall not disrupt Owners need for continuous service. Tovide power outlets for construction operations with branch wiring and distribower cords as required.

 Transh temporary heat docinates are constructed to the construction operations with branch wiring and distributions.
- 5 Provide flexible
- Furnish temporary heat devices as required to maintain specified conditions for construction operations. Permanent building heating systems may be used during construction.

 Permanent building heating systems may be used during construction.

 Prior to operation of permanent facilities for temporary heating purposes, verify that installation is approved for operation, equipment is lubricated and filters are in place. Provide and pay for operations, maintenary and regular replacement of filters and work or consumed parts.

 Maintain appropriate minimum temperature as recommended by manufacturer. Temporary Ventilation. Ventilate enclosed areas as required in order to assist curing of materials, to disperse humidity and to prevent accumulations of dust, furnes, vapors or gases. that installation is approved for operations, maintenance
- prevent accumulations סו מעאר, ועוווכא, ישףטיט ביי פיייי אסימיץ Sanitary Facilities. Provide and maintain required facilities and enclosures.
- Provide barriers as required to prevent unauthorized entry to construction areas, to allow for Owner's use of site and protect existing facilities and adjacent properties from damage from construction operations.
 Provide special protection where analisation.
- Provide special protection where specified in individual specification sections and where work is of a type or in position to be vulnerable to construction process damage.

 Prohibit traffic or storage on waterproofed or roofed surfaces. When traffic or activity is necessary, obtain recommendations for protection from waterproofing or roofing material manufacturer.

 Prohibit traffic in landscaped areas.

 Prohibit traffic in landscaped areas.

 tenance and removal of utilities, facilities and controls.

 Maintain temporary services for construction until permanent services are available.

 Remove temporary above grade utilities, equipment, facilities and materials prior to substantial completion inspection.

- ean and repair damage caused by installation or use of temporary work. store permanent facilities used during construction to specified condition. ces/Alternates.
- 3. 4. Allow 1. F. N. Cutting a 1. C 2. ier to Allowance/Alternate schedule at end or tnese specification....
 nd Patching.
 t existing construction as required in order to accommodate new work.
 the existing construction as required. Match new work, blend old and ಠ
- Provide temporary supports, and protection from elements and ongoing construction.
 Salvage existing construction as directed.
 Coordination.
 Coordinate the Work, including but not limited to, mechanical and elesubcontractors. Anticipate areas where the installation of mechanical and elecongested or difficult. The Contractor shall be responsible for coordinating transferance and school for
- congested or difficult. The Contractor shall be responsible for coordinating trades, sequences, means and methods and schedules.

 2. Coordinate the work of all trades and with work being performed by the Owner or the Owner's consultants and Contractors.

 3. The Contractor shall obtain all necessary permits and coordinate required income.

 1. Hazardous material texting in the contractor shall texting in the contractor shall obtain all necessary permits and coordinate required income.
- Hazardous material testing has been identified and will be removed by others in accordance with Maine Title 38, Chapter 12-A: Asbestos, subsection 1271-1284. A Maine certified/licenses must be presented to the Kittery Community Center Department Head prior to commencing work. If Cut-Offs:

 The Contractor shall install water cut-offs or covers at end of each working day to protect the insulation, roofing, building and building interior from damage due to wind, snow and rain. Temporary cut-offs are to be detailed by the Contractor and approved by the Town of Kittery.
- SECTION 2 SITE WORK (By Others)
- SECTION 3-**CONCRETE (NOT USED)**
- SECTION 4 MASONRY

 A. Re-point masonry as required.
- Provide mortar for masonry systems as scheduled. Products type and location specified; M, masonry in contact with earth; O, Interior non load bearing walls.
 Submittals: Provide product data and samples.
 Unit Masonry:

 Exterior: Match existing as required and as indicated on drawings.

 Submittals: Provide product data and samples for all locations.

- Ornamental metal fabrications shall be constructed by craftsmen to resemble, as closely as possible, Ornamental metal fabrications shall be constructed by craftsmen to resemble, as closely as possible, designs indicated in these plans. If no detail design is provided, design selection shall be made by Owner in consultation with craftsmen and Architect.

 All work shall be done in a professional manner with tight fits, true angles and secure anchorage. All ferrous metal fabrication welds must be ground smooth and coated with a rust inhibitive primer.

 Ramp Pipe Handrails and Guardrails: Provide 1 ½ diameter pipe railing system, painted, refer to owner for color.

- color.

 4. Submittals: Provide product data, color chart and samples.

 Cold formed metal framing:

 1. The professional engineer employed by the contractor shall:

 a. Maine registered professional engineer.

 b. Be solely professionally responsible for work.

 c. Calculate design, engineer, and document work.

 d. Prepare, professionally seal, sign and submit calculations, shop fabrication drawings, erection and installation drawings, and other documents needed.

 e. Meet requirements of authorities having jurisdiction including applicable building codes.

 Design and installation of load and non load bearing formed steel stud interior wall framing.

 Quality, design adequacy, grades and strengths of materials and installation procedures: In accordance with applicable code and referenced standards including; ASTM, AWS, and AISC.

 4. Size components to withstand design loads. Design system to provide for movement of components without damage or failure.

 5. Submittals: provide product data to describe materials, finish and product criteria. Provide stud layout.

SECTION 6 – WOOD AND PLASTICS (Refer to structural drawing for additional detailed specification criteria. Structural drawings will overrule these specifications.)

- A. Rough Carpentry::

 Refer to Sheet S-X for additional information. Sheet S-X overrules these specifications.
 Refer to Sheet S-X for additional information. Sheet S-X overrules these specifications.
 All dimensional framing lumber shall be stress grade, Spruce-Pine-Fir #2 or better, kiln dried 19% maximum moisture content. Lumber shall have a fiber stress in bending "Fb" of not less than 850 psi and a modulus of elasticity "E" of not less than 1,200,000 psi.
 All wood in contact with concrete or masonry shall be pressure treated.
 All exposed framing to remain unfinished to be pressure treated unless specifically indicated otherwise.
 Provide fire retardant treated wood blocking, bracing and stiff backs as required, whether specifically indicated or not. Install solid FRT Wood blocking and framing as required under all beams and posts extending down through structure, including interstitial floor spaces.
 B. Finish Carpentry:
 Base Board & Casing: Clearwhite pine or poplar, painted or as noted.
 Utility Shelving: ¾" AB plywcod w/ solid wood edge or as noted.
- B. Finish
 1.
 2.
- SECTION 7 THERMAL AND MOISTURE PROTECTION

 A. The following specifications are minimum specifications. All other items not specified shall comply with the National Roofing Contractors Associations' (NRCA) Roofing and Waterproofing Manual and Maine Uniform Building and Energy Code (MUBEC).

 B. Building Insulation:

 1. Refer to drawings for locations of and R values of insulation at different areas.

 2. Fiberglass thermal insulation.

 a. Install unfaced fiberglass batts full width of stud/joist/rafter cavity.

 b. Install 4 mil polyethylene vapor barrier on conditioned space side of all fiberglass batts. Vapor barrier to be continuous across surface of insulation with all joints and penetrations taped and sealed.

 c. Install high density insulation, as required, at flat and sloped ceilings/roofs.

 d. Maintain clearances to provide proper air flow at insulation in ceilings and roofs; install baffle vents as required.

D.

- as required.

 C. Firestopping:

 1. Install firestopping around all wiring, conduit, piping, ductwork and other penetrations of rated partitions, ceiling and between floor levels.

 2. Provide accessories as required; Bio Fireshield products or equal.

 2. Provide accessories as required; Bio Fireshield products or equal.

 D. Asphalt Shingle Roofing:

 1. General: The existing profing shall be removed and disposed of in accordance with applicable National. State and bocal laws. The existing surface shall be smooth and free of protruding nails or other fasteners prior to placing underlayment. Replace damaged existing plywood sheathing as required. All work and the completed installation for the roof assembly shall conform to the State of Maine Uniform Building and Energy Code and the National Roofing Contractors Association Roofing and Vaterproofing Manual.

 2. Architectural Grade Roof Shingles.

 2. Architectural Grade Roof Shingles.

 2. Conform to ASTM specifications D3018 Type I and D3462.

 3. Conform to ASTM specifications D3018 Type I and D3462.

 4. Conform to ASTM specifications D3018 Type I and D3462.

 4. Conform to ASTM specifications D3018 Type I and D3462.

 3. Ridge shall have a minimum weight of 23245 per roofing square.

 4. Frovide 5% of materials for attic stock

 4. Acceptable products includes:

 5. Certain Teed. "Highland State"

 6. Certain Teed. "Highland State"

 7. Capp. Shall be shingle manufacturer's product warranty.

 8. Fasteners: Natis shall be large head hot cipped galvanzed and shall be hard nailed intro the shingles according to standard industry practices.

 8. Fasteners: Natis shall be large head hot cipped galvanzed and shall be hard nailed intro the shingles according to standard industry practices.

 9. Ten and Fascia Boards: Cellular PVC trim boards. Acceptable product include: Grace Ice and Water Shield or approved equal.

 1. Drip Edge: 8' Jaluminum.

 8. Fastinger Association and provide a unit linear foot cost for removal and replacement.

 1. Drip Edge: 8' galvanized. Match existing
- \Box
- Apply sealants to all joints, seams and intersections, both interior and exterior, and between dissimilar materials. Apply sealant around all penetrations of exterior walls, around all plumbing fixtures and between counters and walls.

 Provide sealant accessories such as backer rods, primers, etc.
 One part Non-acid curing Silicone: Joints in concrete, exterior joints at window heads, soffits, ceilings, etc. (Not for use in joints to be field painted).
 One-part Polysulfide: Horizontal joints in concrete and all horizontal joints in paving subject to foot traffic. One-part Mildew resistant Silicone: Ceramic tile, all interior joints subject to moisture. Pigmented small joint sealant: For joints on interior side of exterior walls too small to be caulked with gunable sealant.
 Acrylic Emulsion/Latex joint sealant: General purpose interior sealant for joints to receive painters finish. d Attenuations:
 - **4**, 13, 13,

- Apply approved sealant at top and bottom of GWB for Hall wall. Provide sealant accessories such as backer rods, primers, etc.

SECTION 8 – DOORS AND WINDOWS A. Doors:

- ων

- ii. TRACO, Inc. Cranberry Township, PA
 iii. Diamond Windows and Doors Mfg., Dorchester, MA
 ixed and operable window sections shall be extruded aluminum. Formed break metal work shall be of
 st aluminum. Alloys and temper of aluminum shall be as recommended by manufacturer Manufacturer
 Type:

 A. Manufacturers offering similar products.
- Manufacturers offering similar products which may be considered as equal to match existing include but are not limited to:

 i. Universal Window and Door, LLC, Marlboro, MA (400 Series)

 ii. TRACO, Inc. Cranberry Township, PA

 iii. Diamond Windows and Doors Mfg., Dorchester, MA

 All fixed and operable window sections shall be extruded aluminum. Formed break metal work shall be of sheet aluminum. Alloys and temper of aluminum shall be as recommended by manufacturer for strength, corrosion resistant, and specified finish, but of not less than 22,000 psi ultimate tensile strength.

- SECTION 9 FINISHES
 A. Gypsum Board: United States Gypsum (USG) or equal.
 A. Gypsum Board: United States Gypsum (USG) or equal.
 1. 5/8" G.W.B. at all surfaces, use Type "X" fire rated wallboard at walls.
 B. Paint: Follow manufacturer's recommendations for preparation and applications of paints. Colors are to be selected by Owner. Prior to sanding, insure all surfaces are properly prepared, caulked, sanded, nail heads set and puttied, and weather conditions favorable to painting.
- a. Gypsum Wallboard: 1coat latex primer; 2 coats flat latex, ICl paint or equal.
 b. Woodwork (paint): 1 coat oil based primer or white lacquer undercoater; 2 coats semi-gloss enamel; ICl paint or equal.
 a. Metal: 1 coat acrylic primer; 2 coats eggshell alkyd enamel.
 C. Refer to Owner provided lead paint specification for additional information.
 D. Floor coverings: Consult Owner for specific color of floor coverings.
 1. Remove all Hall VCT as required and shown on drawings.
 2. Refer to drawings for locations and types of floor coverings.
 3. Follow manufacturer's specifications for preparation and application of floor coverings.
 4. Review existing conditions of existing concrete floor and findings to be presented to the project architect and owner for review.

105 WILLOW BROOK AVENUE STRATHAM, NEW HAMPSHIRE 03885

RE DESIGN PLANNING INT

ARCHITECTS

 \Box

THA

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SPECIALTIES (NOT USED)

SECTION 10 & Appliances

- SECTION 11 A. Equipment
 1. Refer
 2. Coord & Appliances: Consult Owner for more detail on equiparto drawings for locations of equipment.

 dinate installation of equipment with cabinets.
- SECTION 12 - FURNISHINGS (NOT USED)
- SECTION 14. SECTION 15 SECTION 13 SPECIAL CONSTRUCTION (NOT USED) MECHANICAL SYSTEMS (REFER TO MECANICAL DOCUMENTS FOR SPECIFICATIONS) **CONVEYING SYSTEM (NOT USED)**
- SECTION 16 **Allowances:** Consult Owner to determine, based on overall budget, the allowable cost for items listed below. Items if required. - ELECTRICAL SYSTEMS (REFER TO ELECTRICAL DOCUMENTS FOR SPECIFICATIONS)
- **Alternates:** Consult Owner to determine, based on overall budget, the allowable cost for items listed below. tems if required. Door Hardware:
- Provide white anodized aluminum storefront door entry system to match main entry doors. Furnish and install to match existing profile, color, size, etc.
 Metal Roofing System: 50 year warranty. Color by owner. Include all accessories including but not limited to, snow guards, hips, ridge vent, flashing, etc for a complete weather tight system.
 - Capital

Kittery Comm. Center

Improvements

Kittery Comm. Center

Kittery, ME 03904 129 Rogers Road

Dutline

Specifications

Structural Engineer

Wechanical Engineer

Plumbing Engineer

Electrical Engineer

SCALE: April 20, 2016

REVISED / REVISED BY April 21, 2016

JOB NO: 16009

SHEET NUMBER